

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2011 Levee Inspection Results

Reclamation District No. 1500 Sutter Basin

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2011 Levee Inspection Results

Reclamation District No. 1500 Sutter Basin

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Left	33.58

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/26/2011 - 4/28/2011			
DWR Inspector	John Williamson			
Accompanied By	Jack Bailey RD 1500			

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Sacramento River						Left	33.58	04/26/2011 04/28/2011	John Williamson	
LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.01	33.36	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	38.761040 ° -121.674879 °	39.020182 ° -121.820351 °	1 Y
2	0.02	33.36	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	38.761041 ° -121.674881 °	39.020182 ° -121.820350 °	2 Y
3	0.03	0.03	Earthen Levee	Animal Control	CR	C	Exterminate rodents and backfill and compact or grout burrows.	38.761042 ° -121.675018 °	38.761042 ° -121.675018 °	959
4	0.03	0.03	Earthen Levee	Encroachments	LS	M	Firewood	38.761045 ° -121.675225 °	38.761045 ° -121.675225 °	15 Y
5	0.03	0.03	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: There are several rodent holes in the area.	38.761015 ° -121.675235 °	38.761015 ° -121.675235 °	19 Y
6	0.05	0.32	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level. Inspector Comments: The walnut trees after harvest need to be trimmed up for the 5' clearness.	38.761060 ° -121.675505 °	38.763268 ° -121.679098 °	53 Y
7	0.07	0.07	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.761071 ° -121.675957 °	38.761071 ° -121.675957 °	5 Y
8	0.50	0.50	Earthen Levee	Encroachments	LS	M	Prunings	38.764474 ° -121.681819 °	38.764474 ° -121.681819 °	35 Y
9	0.51	0.51	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	38.764484 ° -121.681848 °	38.764484 ° -121.681848 °	960
10	1.30	1.30	Earthen Levee	Encroachments	WS	PO	Buildings Inspector Comments: pump house	38.769702 ° -121.691088 °	38.769702 ° -121.691088 °	3 Y
11	1.34	1.34	Earthen Levee	Encroachments	LS	CO	Landscaping Inspector Comments: retaining wall into levee	38.770003 ° -121.690607 °	38.770003 ° -121.690607 °	4 Y
12	2.57	3.83	Earthen Levee	Encroachments	LS	CO	Agricultural Ditch	38.785351 ° -121.689075 °	38.797174 ° -121.693045 °	963 Y
13	3.73	3.73	Earthen Levee	Encroachments	WS	PO	Buildings	38.797139 ° -121.691137 °	38.797139 ° -121.691137 °	6 Y
14	3.98	3.98	Earthen Levee	Encroachments	LS	PO	Buildings	38.797607 ° -121.695862 °	38.797607 ° -121.695862 °	7 Y
15	4.01	4.01	Earthen Levee	Encroachments	LS	PO	Landscaping	38.797827 ° -121.695985 °	38.797827 ° -121.695985 °	8 Y
16	4.03	4.03	Earthen Levee	Encroachments	WS	PO	Buildings Inspector Comments: pump house concrete building	38.798048 ° -121.696148 °	38.798048 ° -121.696148 °	9 Y
17	4.04	4.16	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.798572 ° -121.696392 °	38.800080 ° -121.696653 °	54
18	4.20	4.20	Earthen Levee	Encroachments	LS	PO	Buildings	38.800550 ° -121.696752 °	38.800550 ° -121.696752 °	11 Y

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Sacramento River						Left	33.58	04/26/2011 04/28/2011	John Williamson	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
19	4.65	4.65	Earthen Levee	Encroachments	LS	PO	Landscaping	38.803632 ° -121.702770 °	38.803632 ° -121.702770 °	12 Y
20	5.23	5.23	Earthen Levee	Encroachments	WS	PO	Buildings Inspector Comments: pump house	38.802342 ° -121.712995 °	38.802342 ° -121.712995 °	13
21	5.38	5.38	Earthen Levee	Encroachments	LS	CO	Landscaping	38.803240 ° -121.715402 °	38.803240 ° -121.715402 °	14 Y
22	5.67	5.75	Earthen Levee	Encroachments	WS	PO	Buildings Inspector Comments: Sting Rayz Beach Boardwalk Marina waterside berm	38.803005 ° -121.720380 °	38.803238 ° -121.721847 °	52 Y
23	7.57	7.57	Earthen Levee	Encroachments	LS	M	Equipment	38.828975 ° -121.724265 °	38.828975 ° -121.724265 °	16 Y
24	7.66	7.66	Earthen Levee	Encroachments	LS	PO	Landscaping	38.830260 ° -121.725357 °	38.830260 ° -121.725357 °	17 Y
25	7.71	7.71	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	38.830818 ° -121.725800 °	38.830818 ° -121.725800 °	10
26	8.33	8.54	Supplemental	USACE Erosion Survey	WS	U	Inspector Comments: 2009: no berm, 2:1 slope, slumping, sands and silts, 3.32 ft/s [2009 SiteID:SAC_92-8_L]	38.840417 ° -121.726864 °	38.838428 ° -121.730253 °	40 Y
27	8.43	8.43	Earthen Levee	Erosion / Bank Caving	LS	M	Schedule repair of erosion site prior to the next inspection.	38.839475 ° -121.728750 °	38.839475 ° -121.728750 °	56 Y
28	8.79	8.79	Earthen Levee	Encroachments	LS	PO	Buildings	38.842673 ° -121.726442 °	38.842673 ° -121.726442 °	18 Y
29	9.44	9.65	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: 15 ft berm, 1.5:1 slope, no stability issues, clays and silts, 3.37 ft/s [2009 SiteID:SAC_93-7_L]	38.852361 ° -121.723619 °	38.850272 ° -121.723922 °	41 Y
30	11.43	11.43	Earthen Levee	Encroachments	LS	PO	Landscaping	38.866762 ° -121.746125 °	38.866762 ° -121.746125 °	20 Y
31	11.93	11.93	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	38.871972 ° -121.749765 °	38.871972 ° -121.749765 °	55
32	12.10	12.38	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: 15 ft berm, 1.5:1 slope, holes and slumping, clays and silts, 3.22 ft/s [2009 SiteID:SAC_96-2_L]	38.869139 ° -121.757108 °	38.870475 ° -121.752236 °	43 Y
33	12.15	12.15	Earthen Levee	Encroachments	WS	PO	Buildings	38.870562 ° -121.753335 °	38.870562 ° -121.753335 °	23 Y
34	12.31	12.31	Earthen Levee	Erosion / Bank Caving	WS	W	Note and monitor erosion site. Inspector Comments: wide berm	38.869700 ° -121.755945 °	38.869700 ° -121.755945 °	50
35	12.55	12.55	Earthen Levee	Encroachments	LS	M	Equipment	38.868717 ° -121.760133 °	38.868717 ° -121.760133 °	24 Y

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	04/26/2011 04/28/2011	John Williamson

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
36	12.93	12.93	Earthen Levee	Encroachments	CR	M	Equipment	38.865127 ° -121.765157 °	38.865127 ° -121.765157 °	25 Y
37	13.15	13.15	Earthen Levee	Encroachments	LS	CO	Buildings	38.863438 ° -121.768212 °	38.863438 ° -121.768212 °	26 Y
38	13.18	13.18	Earthen Levee	Encroachments	LS	M	Equipment Inspector Comments: tires	38.863081 ° -121.768781 °	38.863081 ° -121.768781 °	992 Y
39	14.09	14.09	Earthen Levee	Encroachments	CR	M	Firewood	38.857683 ° -121.782652 °	38.857683 ° -121.782652 °	27 Y
40	14.13	14.13	Earthen Levee	Encroachments	WS	M	Equipment	38.857792 ° -121.783265 °	38.857792 ° -121.783265 °	28 Y
41	14.13	14.43	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: 10 ft berm, 1:1 slope, slumping, sands and silts, 2.72 ft/s [2009 SiteID:SAC_99-0_L]	38.861889 ° -121.784083 °	38.857233 ° -121.783803 °	44 Y
42	14.35	14.35	Earthen Levee	Encroachments	LS	CO	Buildings Inspector Comments: concrete stemwall into levee embankement	38.860848 ° -121.783307 °	38.860848 ° -121.783307 °	30 Y
43	14.39	14.39	Earthen Levee	Encroachments	LS	CO	Landscaping	38.861513 ° -121.783588 °	38.861513 ° -121.783588 °	31 Y
44	14.86	15.93	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.865473 ° -121.789413 °	38.871752 ° -121.804257 °	969 Y
45	15.27	15.27	Earthen Levee	Encroachments	LS	PO	Fences Inspector Comments: fence compound around sand separators fence at toe	38.866825 ° -121.794020 °	38.866825 ° -121.794020 °	22 Y
46	15.27	15.27	Earthen Levee	Encroachments	WS	M	Debris Inspector Comments: pile of rip rap and concrete needs to be placed	38.866827 ° -121.794020 °	38.866827 ° -121.794020 °	21 Y
47	15.94	15.94	Earthen Levee	Encroachments	WS	M	Equipment	38.871960 ° -121.804440 °	38.871960 ° -121.804440 °	32 Y
48	16.48	16.48	Earthen Levee	Encroachments	LS	CO	Landscaping Inspector Comments: oleanders and other shrubs	38.875873 ° -121.812410 °	38.875873 ° -121.812410 °	33 Y
49	16.86	17.45	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.881092 ° -121.813713 °	38.887335 ° -121.808187 °	972 Y
50	18.50	18.50	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	38.900873 ° -121.802680 °	38.900873 ° -121.802680 °	51 Y
51	19.19	19.19	Earthen Levee	Encroachments	LS	PO	Buildings Inspector Comments: concrete retaining wall toe of landside levee permit #10065	38.901570 ° -121.791235 °	38.901570 ° -121.791235 °	36 Y
52	19.22	19.22	Earthen Levee	Encroachments	LS	PO	Landscaping Inspector Comments: concrete retaining wall along toe of landside levee permit #10065	38.901942 ° -121.790937 °	38.901942 ° -121.790937 °	37 Y

* Location LS : Landside WS : Waterside CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated C : Corrected W : Watch/Monitor
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River							Left	33.58	04/26/2011 04/28/2011	John Williamson
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
53	19.88	19.88	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	38.906243 ° -121.796276 °	38.906243 ° -121.796276 °	29
54	20.11	20.11	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	38.906284 ° -121.800397 °	38.906284 ° -121.800397 °	34
55	20.86	21.40	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.910177 ° -121.810352 °	38.913267 ° -121.803142 °	975 Y
56	21.22	21.22	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.911005 ° -121.804420 °	38.911005 ° -121.804420 °	57
57	21.29	21.29	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.911848 ° -121.803563 °	38.911848 ° -121.803563 °	58
58	21.69	21.91	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.916153 ° -121.806319 °	38.916127 ° -121.810326 °	59 Y
59	24.04	24.04	Earthen Levee	Encroachments	LS	PO	Buildings Inspector Comments: some equipment at landside toe	38.931838 ° -121.834437 °	38.931838 ° -121.834437 °	42 Y
60	24.44	24.78	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.936282 ° -121.830192 °	38.940712 ° -121.830650 °	979 Y
61	24.44	24.44	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	38.936392 ° -121.830226 °	38.936392 ° -121.830226 °	61
62	25.04	25.04	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.942713 ° -121.834670 °	38.942713 ° -121.834670 °	62
63	25.76	26.54	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.952500 ° -121.837247 °	38.961135 ° -121.830902 °	981 Y
64	26.84	27.07	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.964850 ° -121.833595 °	38.968083 ° -121.833593 °	982 Y
65	27.63	27.78	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.972440 ° -121.825892 °	38.972848 ° -121.823098 °	983 Y
66	28.57	29.60	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.983081 ° -121.819924 °	38.988512 ° -121.806463 °	38
67	28.86	28.86	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.987126 ° -121.819366 °	38.987126 ° -121.819366 °	63
68	30.14	30.14	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.991429 ° -121.797811 °	38.991429 ° -121.797811 °	64
69	30.60	30.60	Earthen Levee	Encroachments	LS	PO	Landscaping	38.996980 ° -121.794723 °	38.996980 ° -121.794723 °	45 Y
70	30.62	30.62	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.997277 ° -121.794887 °	38.997277 ° -121.794887 °	65

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	04/26/2011 04/28/2011	John Williamson

LMIR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
71	31.34	31.98	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: 10 ft berm, 1.5:1 slope, holes and slumping, clays and silts, 4 ft/s [2009 SiteID:SAC_116-5_L]	39.006061 ° -121.815342 °	39.003294 ° -121.805031 °	49 Y
72	32.71	33.00	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	39.012142 ° -121.825770 °	39.015585 ° -121.823442 °	60 Y
73	33.33	33.33	Earthen Levee	Encroachments	LS	PO	Buildings	39.019722 ° -121.820345 °	39.019722 ° -121.820345 °	46 Y
74	33.41	33.41	Earthen Levee	Encroachments	WS	PO	Buildings Inspector Comments: Pumping Plant Intake structure	39.020875 ° -121.820273 °	39.020875 ° -121.820273 °	48 Y
75	33.41	33.41	Earthen Levee	Encroachments	LS	PO	Buildings	39.020875 ° -121.820272 °	39.020875 ° -121.820272 °	47 Y

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Unit No. 01 Sacramento River	Left	33.58	04/26/2011 04/28/2011	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	33.36
Location	Land Side
Category	Earthen Levee
Item	Vegetation

The photo is of the landside vegetation taller than 12".

Johngw_s_20110427_472.jpg



Levee Mile Report Line	2
Start Levee Mile	0.02
End Levee Mile	33.36
Location	Water Side
Category	Earthen Levee
Item	Vegetation

The vegetation on the waterside is taller than 12".

Johngw_s_20110427_471.jpg



Levee Mile Report Line	4
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Fresh pile of firewood from this years prunings.

johngw_s_20110228_221.jpg



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**Flood Control Project Maintenance
Levee Inspections**

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Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	04/26/2011 04/28/2011	John Williamson

Levee Mile Report Line	4
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The firewood that was there last year has grown in size.	
Johngw_s_20110427_465.jpg	



Levee Mile Report Line	5
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Land Side
Category	Earthen Levee
Item	Animal Control
This is one of several rodent holes in the area.	
johngw_s_20110228_224.jpg	



Levee Mile Report Line	5
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Land Side
Category	Earthen Levee
Item	Animal Control
There are multiple rodents hole in the area.	
Johngw_s_20110427_466.jpg	

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**Flood Control Project Maintenance
Levee Inspections**

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Reclamation District No. 1500 Sutter Basin

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Unit No. 01 Sacramento River	Left	33.58	04/26/2011 04/28/2011	John Williamson

Levee Mile Report Line	5
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Land Side
Category	Earthen Levee
Item	Animal Control

There are many rodent holes a short distance away from the last photo.

Johngw_s_20110427_467.jpg



Levee Mile Report Line	6
Start Levee Mile	0.05
End Levee Mile	0.32
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

The walnut trees need to be raised for visibility.

Johngw_s_20110427_468.jpg



Levee Mile Report Line	7
Start Levee Mile	0.07
End Levee Mile	0.07
Location	Land Side
Category	Earthen Levee
Item	Animal Control

There are some old and a few new rodent holes that need to be backfill.

Johngw_s_20110427_469.jpg



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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	04/26/2011 04/28/2011	John Williamson

Levee Mile Report Line	8
Start Levee Mile	0.50
End Levee Mile	0.50
Location	Land Side
Category	Earthen Levee
Item	Encroachments

A pile of tree prunings are against the toe of the levee.

Johngw_s_20110427_470.jpg



Levee Mile Report Line	10
Start Levee Mile	1.30
End Levee Mile	1.30
Location	Water Side
Category	Earthen Levee
Item	Encroachments

The building is of a pumphouse.

Johngw_s_20110427_473.jpg



Levee Mile Report Line	11
Start Levee Mile	1.34
End Levee Mile	1.34
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Landscape and retaining wall, this photo is from spring 2010.

johngw_s_20110228_218.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	04/26/2011 04/28/2011	John Williamson

Levee Mile Report Line	12
Start Levee Mile	2.57
End Levee Mile	3.83
Location	Land Side
Category	Earthen Levee
Item	Encroachments

ag. ditch, photo was taken in spring 2010.

johngw_s_20110228_241.jpg



Levee Mile Report Line	13
Start Levee Mile	3.73
End Levee Mile	3.73
Location	Water Side
Category	Earthen Levee
Item	Encroachments

The photo is of the abandoned pumphouse. The district has placed a steel plate over the old outlets. They have began filling the structure for safety.

Johngw_s_20110427_474.jpg



Levee Mile Report Line	14
Start Levee Mile	3.98
End Levee Mile	3.98
Location	Land Side
Category	Earthen Levee
Item	Encroachments

A small building is encroaching into the landside levee toe.

Johngw_s_20110427_475.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
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PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	04/26/2011 04/28/2011	John Williamson

Levee Mile Report Line	15
Start Levee Mile	4.01
End Levee Mile	4.01
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The landscape is planted into the encroachment zone within 15' of the toe.	
Johngw_s_20110427_476.jpg	



Levee Mile Report Line	16
Start Levee Mile	4.03
End Levee Mile	4.03
Location	Water Side
Category	Earthen Levee
Item	Encroachments
The building is the new pumping plant for Sutter Mutual Water. This replaces the abanded one.	
Johngw_s_20110427_477.jpg	



Levee Mile Report Line	18
Start Levee Mile	4.20
End Levee Mile	4.20
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The equipment shed encroaches into the toe of the levee.	
Johngw_s_20110427_478.jpg	

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

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N : Not Inspected/Rated

C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	04/26/2011 04/28/2011	John Williamson

Levee Mile Report Line	19
Start Levee Mile	4.65
End Levee Mile	4.65
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The landscape is planted within the encroachment area of 15'.

Johngw_s_20110427_479.jpg



Levee Mile Report Line	21
Start Levee Mile	5.38
End Levee Mile	5.38
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The landscape completely blocks the landside slope and toe.

Johngw_s_20110427_480.jpg



Levee Mile Report Line	22
Start Levee Mile	5.67
End Levee Mile	5.75
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Sting Rays Marina RV park, Photo was taken in spring 2010.

johngw_s_20110228_238.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	04/26/2011 04/28/2011	John Williamson

Levee Mile Report Line	22
Start Levee Mile	5.67
End Levee Mile	5.75
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Here is another look at Sting Razs Marina and RV park

Johngw_s_20110427_481.jpg



Levee Mile Report Line	23
Start Levee Mile	7.57
End Levee Mile	7.57
Location	Land Side
Category	Earthen Levee
Item	Encroachments

along landside toe, Photo was taken in spring 2010.

johngw_s_20110228_222.jpg



Levee Mile Report Line	24
Start Levee Mile	7.66
End Levee Mile	7.66
Location	Land Side
Category	Earthen Levee
Item	Encroachments

landscape shrubs, Photo was taken in spring 2010.

johngw_s_20110228_223.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

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U : Unacceptable

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N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	04/26/2011 04/28/2011	John Williamson

Levee Mile Report Line	26
Start Levee Mile	8.33
End Levee Mile	8.54
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
2009: no berm, 2:1 slope, slumping, sands and silts, 3.32 ft/s [2009 SiteID:SAC_92-8_L]	
johngw_s_20110228_232.JPG	



Levee Mile Report Line	27
Start Levee Mile	8.43
End Levee Mile	8.43
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
There has been some erosion along the roadside, need to repair the shoulder.	
Johngw_s_20110427_482.jpg	



Levee Mile Report Line	28
Start Levee Mile	8.79
End Levee Mile	8.79
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The corner of the building has encroached into the toe.	
Johngw_s_20110427_483.jpg	

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	04/26/2011 04/28/2011	John Williamson

Levee Mile Report Line	29
Start Levee Mile	9.44
End Levee Mile	9.65
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
2009: 15 ft berm, 1.5:1 slope, no stability issues, clays and silts, 3.37 ft/s [2009 SiteID:SAC_93-7_L]	
johngw_s_20110228_233.JPG	



Levee Mile Report Line	30
Start Levee Mile	11.43
End Levee Mile	11.43
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The homeowner has landscaped the levee slope.	
Johngw_s_20110427_484.jpg	



Levee Mile Report Line	32
Start Levee Mile	12.10
End Levee Mile	12.38
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
2009: 15 ft berm, 1.5:1 slope, holes and slumping, clays and silts, 3.22 ft/s [2009 SiteID:SAC_96-2_L]	
johngw_s_20110228_235.JPG	

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	04/26/2011 04/28/2011	John Williamson

Levee Mile Report Line	33
Start Levee Mile	12.15
End Levee Mile	12.15
Location	Water Side
Category	Earthen Levee
Item	Encroachments

The mobile home is the home of the operator for Sutter Municiple Water.

Johngw_s_20110427_485.jpg



Levee Mile Report Line	35
Start Levee Mile	12.55
End Levee Mile	12.55
Location	Land Side
Category	Earthen Levee
Item	Encroachments

There is equipment parked along the toe of the levee.

Johngw_s_20110427_486.jpg



Levee Mile Report Line	36
Start Levee Mile	12.93
End Levee Mile	12.93
Location	Crown
Category	Earthen Levee
Item	Encroachments

On top of the crown is farm equipment and irrigation pipe.

Johngw_s_20110427_487.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
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N : Not Inspected/Rated

C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	04/26/2011 04/28/2011	John Williamson

Levee Mile Report Line	37
Start Levee Mile	13.15
End Levee Mile	13.15
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The buildings backside was built into the toe of the levee.	
Johngw_s_20110427_488.jpg	



Levee Mile Report Line	38
Start Levee Mile	13.18
End Levee Mile	13.18
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Next to the building there are tires and axles stored at the toe.	
Johngw_s_20110427_489.jpg	



Levee Mile Report Line	39
Start Levee Mile	14.09
End Levee Mile	14.09
Location	Crown
Category	Earthen Levee
Item	Encroachments
Firewood has been stacked on top of the levee crown.	
Johngw_s_20110427_490.jpg	

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
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PO : Partially Obstructing
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N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	04/26/2011 04/28/2011	John Williamson

Levee Mile Report Line	40
Start Levee Mile	14.13
End Levee Mile	14.13
Location	Water Side
Category	Earthen Levee
Item	Encroachments

shot of equipment, Photo was taken in spring 2010.

johngw_s_20110228_227.jpg



Levee Mile Report Line	41
Start Levee Mile	14.13
End Levee Mile	14.43
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

2009: 10 ft berm, 1:1 slope, slumping, sands and silts, 2.72 ft/s [2009 SiteID:SAC_99-0_L]

johngw_s_20110228_236.JPG



Levee Mile Report Line	42
Start Levee Mile	14.35
End Levee Mile	14.35
Location	Land Side
Category	Earthen Levee
Item	Encroachments

building and wall into levee, Photo was taken in spring 2010.

johngw_s_20110228_228.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

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U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	04/26/2011 04/28/2011	John Williamson

Levee Mile Report Line	43
Start Levee Mile	14.39
End Levee Mile	14.39
Location	Land Side
Category	Earthen Levee
Item	Encroachments
landscape shrubs on shoulder, Photo was taken in spring 2010.	
johnngw_s_20110228_229.jpg	



Levee Mile Report Line	44
Start Levee Mile	14.86
End Levee Mile	15.93
Location	Land Side
Category	Earthen Levee
Item	Encroachments
ag. ditch, Photo was taken in spring 2010.	
johnngw_s_20110228_242.jpg	



Levee Mile Report Line	45
Start Levee Mile	15.27
End Levee Mile	15.27
Location	Land Side
Category	Earthen Levee
Item	Encroachments
fence into levee toe, Photo was taken in spring 2010.	
johnngw_s_20110228_226.jpg	

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	04/26/2011 04/28/2011	John Williamson

Levee Mile Report Line	46
Start Levee Mile	15.27
End Levee Mile	15.27
Location	Water Side
Category	Earthen Levee
Item	Encroachments
rip rap and concrete debris, Photo was taken in spring 2010.	
johnngw_s_20110228_225.jpg	



Levee Mile Report Line	47
Start Levee Mile	15.94
End Levee Mile	15.94
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Farm equipment has been parked on the waterside berm.	
Johngw_s_20110427_491.jpg	



Levee Mile Report Line	48
Start Levee Mile	16.48
End Levee Mile	16.48
Location	Land Side
Category	Earthen Levee
Item	Encroachments
landscape shrubs, Photo was taken in spring 2010.	
johnngw_s_20110228_230.jpg	

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	04/26/2011 04/28/2011	John Williamson

Levee Mile Report Line	49
Start Levee Mile	16.86
End Levee Mile	17.45
Location	Land Side
Category	Earthen Levee
Item	Encroachments
ag. ditch, Photo was taken in spring 2010.	
johngw_s_20110228_243.jpg	



Levee Mile Report Line	50
Start Levee Mile	18.50
End Levee Mile	18.50
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
This is an inside curve in the river and erosion has occurred.	
Johngw_s_20110427_492.jpg	



Levee Mile Report Line	50
Start Levee Mile	18.50
End Levee Mile	18.50
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
This is an upstream view of the same erosion.	
Johngw_s_20110427_493.jpg	

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
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CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	04/26/2011 04/28/2011	John Williamson

Levee Mile Report Line	51
Start Levee Mile	19.19
End Levee Mile	19.19
Location	Land Side
Category	Earthen Levee
Item	Encroachments

building and wall into levee with landscape, Photo was taken in spring 2010.

johngw_s_20110228_231.jpg



Levee Mile Report Line	52
Start Levee Mile	19.22
End Levee Mile	19.22
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The groundcover is on the levee slope above the concrete retaining wall. The groundcover is irrigated.

Johngw_s_20110427_494.jpg



Levee Mile Report Line	55
Start Levee Mile	20.86
End Levee Mile	21.40
Location	Land Side
Category	Earthen Levee
Item	Encroachments

ag. ditch, Photo was taken in spring 2010.

johngw_s_20110228_244.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

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U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	04/26/2011 04/28/2011	John Williamson

Levee Mile Report Line	58
Start Levee Mile	21.69
End Levee Mile	21.91
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The agricultural ditch run along the toe of the levee.

johngw_s_20110502_495.jpg



Levee Mile Report Line	59
Start Levee Mile	24.04
End Levee Mile	24.04
Location	Land Side
Category	Earthen Levee
Item	Encroachments

pole barn and some equipment, Photo was taken in spring 2010.

johngw_s_20110228_234.jpg



Levee Mile Report Line	60
Start Levee Mile	24.44
End Levee Mile	24.78
Location	Land Side
Category	Earthen Levee
Item	Encroachments

ag. ditch, Photo was taken in spring 2010.

johngw_s_20110228_245.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

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CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	04/26/2011 04/28/2011	John Williamson

Levee Mile Report Line	63
Start Levee Mile	25.76
End Levee Mile	26.54
Location	Land Side
Category	Earthen Levee
Item	Encroachments
ag. ditch, Photo was taken in spring 2010.	
johnngw_s_20110228_246.jpg	



Levee Mile Report Line	64
Start Levee Mile	26.84
End Levee Mile	27.07
Location	Land Side
Category	Earthen Levee
Item	Encroachments
ag. ditch, Photo was taken in spring 2010.	
johnngw_s_20110228_247.jpg	



Levee Mile Report Line	65
Start Levee Mile	27.63
End Levee Mile	27.78
Location	Land Side
Category	Earthen Levee
Item	Encroachments
ag. ditch, Photo was taken in spring 2010.	
johnngw_s_20110228_248.jpg	

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	04/26/2011 04/28/2011	John Williamson

Levee Mile Report Line	69
Start Levee Mile	30.60
End Levee Mile	30.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The groundcover in the landscape makes it hard to see the levee slope.

johngw_s_20110502_496.jpg



Levee Mile Report Line	71
Start Levee Mile	31.34
End Levee Mile	31.98
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

2009: 10 ft berm, 1.5:1 slope, holes and slumping, clays and silts, 4 ft/s [2009 SiteID:SAC_116-5_L]

johngw_s_20110228_237.JPG



Levee Mile Report Line	72
Start Levee Mile	32.71
End Levee Mile	33.00
Location	Land Side
Category	Earthen Levee
Item	Encroachments

older unused ag ditch stump of tree needs to be removed

johngw_s_20110228_239.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	04/26/2011 04/28/2011	John Williamson

Levee Mile Report Line	73
Start Levee Mile	33.33
End Levee Mile	33.33
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The building is within the easement of the levee toe.

johngw_s_20110502_497.jpg



Levee Mile Report Line	74
Start Levee Mile	33.41
End Levee Mile	33.41
Location	Water Side
Category	Earthen Levee
Item	Encroachments

The buildings are on the waterside of the crown. Control buildings for the pumping plant.

johngw_s_20110502_498.jpg



Levee Mile Report Line	75
Start Levee Mile	33.41
End Levee Mile	33.41
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The building is the pumping plant for Sutter Municipal.

johngw_s_20110502_499.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2011 Levee Inspection Results

Reclamation District No. 1500 Sutter Basin

Waterway			Bank	Unit Miles
Unit No. 02 Sutter Bypass			Right	20.77

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/19/2011 - 4/19/2011			
DWR Inspector	John Williamson			
Accompanied By				

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass							Right	20.77	04/19/2011 04/19/2011	John Williamson
LMIR No.	Levee Mile		Category	Item	* Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.01	0.01	Earthen Levee	Encroachments	WS	M	Equipment	38.761192 ° -121.674623 °	38.761192 ° -121.674623 °	12 Y
2	0.06	20.77	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	38.761704 ° -121.673845 °	39.021306 ° -121.741124 °	4 Y
3	0.06	20.77	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	38.761704 ° -121.673844 °	39.021306 ° -121.741124 °	1 Y
4	0.17	0.17	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: There are gopher mounds throughout the unit landside and waterside.	38.762868 ° -121.672415 °	38.762868 ° -121.672415 °	2
5	2.12	2.12	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.786589 ° -121.654364 °	38.786589 ° -121.654364 °	5
6	7.23	7.23	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	38.857847 ° -121.650808 °	38.857847 ° -121.650808 °	6
7	9.92	9.92	Earthen Levee	Trim / Thin Trees	WS	W	Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: A cottonwood tree has fallen on the waterside toe. It needs to be cut up. Repair the damage caused by the root bal toe.lat the	38.893473 ° -121.636705 °	38.893473 ° -121.636705 °	8 Y
8	11.03	11.03	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Add appropriate gravel or road base. Grade and compact. Inspector Comments: This is a county (Kirkville Rd) that crosses the levee. Truck traffic and County grading on the road has degraded the crown. Need to have AB material to reestablish the crown to proper grade.Some improvement has been made to crown of road.	38.909385 ° -121.639435 °	38.909385 ° -121.639435 °	17 Y
9	15.74	15.74	Earthen Levee	Trim / Thin Trees	WS	W	Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: A cottonwod tree has fallen. Need to cut the tree up.Repair damage caused by the root ball at the toe.	38.963546 ° -121.689317 °	38.963546 ° -121.689317 °	9 Y
10	18.46	18.46	Earthen Levee	Trim / Thin Trees	WS	W	Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: A cottonwood tree has fallen. Need to cut the tree up. Repair the damage caused by the root ball.	38.989641 ° -121.727622 °	38.989641 ° -121.727622 °	10 Y
11	19.58	19.58	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	39.004558 ° -121.735557 °	39.004558 ° -121.735557 °	3
12	19.63	19.63	Earthen Levee	Trim / Thin Trees	WS	W	Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: A cottonwood tre has fallen. Need to cut up the tree. Repair the damage caused by the root ball.	39.005358 ° -121.735754 °	39.005358 ° -121.735754 °	11 Y

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.77	04/19/2011 04/19/2011	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	0.01
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Farm equipment is stored on crown at L.M. 0.0	
johngw_s_20110425_455.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	0.01
Location	Water Side
Category	Earthen Levee
Item	Encroachments
This is another photo of equipment on levee crown.	
johngw_s_20110425_456.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.06
End Levee Mile	20.77
Location	Water Side
Category	Earthen Levee
Item	Vegetation
The vegetation grasses is taller then 12" in height.	
johngw_s_20110425_457.jpg	

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.77	04/19/2011 04/19/2011	John Williamson

Levee Mile Report Line	3
Start Levee Mile	0.06
End Levee Mile	20.77
Location	Land Side
Category	Earthen Levee
Item	Vegetation

The photo is of the landside vegetation on the levee slope.

johngw_s_20110425_458.jpg



Levee Mile Report Line	7
Start Levee Mile	9.92
End Levee Mile	9.92
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

A tree has been blown over and the roots have been up rooted. Need to repair the damage area.

johngw_s_20110425_459.jpg



Levee Mile Report Line	8
Start Levee Mile	11.03
End Levee Mile	11.03
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting

cross view of levee crown

johngw_s_20110228_254.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.77	04/19/2011 04/19/2011	John Williamson

Levee Mile Report Line	8
Start Levee Mile	11.03
End Levee Mile	11.03
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
dip coming off the crown of levee	
johngw_s_20110228_255.jpg	



Levee Mile Report Line	8
Start Levee Mile	11.03
End Levee Mile	11.03
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
typical truck that crosses the levee	
johngw_s_20110228_256.jpg	



Levee Mile Report Line	9
Start Levee Mile	15.74
End Levee Mile	15.74
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
The photo shows a fallen tree with root ball damage.	
johngw_s_20110425_460.jpg	

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.77	04/19/2011 04/19/2011	John Williamson

Levee Mile Report Line	10
Start Levee Mile	18.46
End Levee Mile	18.46
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

The photo shows a fallen tree on the waterside that is up rooted.

johngw_s_20110425_461.jpg



Levee Mile Report Line	12
Start Levee Mile	19.63
End Levee Mile	19.63
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

On the waterside a tree has fallen and did some levee damage with the root ball.

johngw_s_20110425_462.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

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CO : Completely Obstructing
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W : Watch/Monitor